

Does a liquid take the shape of a container?

The particles in a liquid are close together, but they are not bound to fixed positions; they can slide past and around each other. This enables liquids to take the shape of their container and to flow when they are poured.

Does a solid take the shape of a bottom of the container? Solids keep their shape.

Does a solid take the shape of its container?

My Cambridge Physics Coursebook says that Solid "takes the shape of its container". It is endorsed by Cambridge for IGCSE physics. Is it right? How is this possible. It is very clear and proved. If we put it in a beaker it does not change shape. So why do we say that a solid takes the shape of its container
Caption 9.3: "fixed shape".

How does a solid hold its shape?

A solid holds its shape and the volume of a solid is fixed by the shape of the solid. In the liquid phase the molecular forces are weaker than in a solid. A liquid will take the shape of its container with a free surface in a gravitational field. In microgravity, a liquid forms a ball inside a free surface.

Do solids have a definite shape and volume?

No, solids have a fixed shape and volume. They do not take the shape of their container like liquids and gases do. Yes, the characteristics of a solid is a definite shape and a definite volume when it is left alone. Yes. That is one of the properties that distinguishes it from liquids or gases, both of which do not. ?

Do solid objects keep their own shape?

Well, hello there, friend! Solid objects, like a happy little rock or a gentle mountain, usually keep their own shape and volume no matter what container they're in. They're like a steadfast friend, always staying true to themselves. Just remember, it's okay to be yourself and stand tall, just like a solid does in its container.

How has ice changed from a liquid to a solid?

Ice has changed from a liquid to a solid. A solid is a state of matter that maintains its own shape instead of conforming to the shape of its container. Unlike liquid water, ice does not flow and take on the shape of its container; instead, it keeps its own size and shape.

Study with Quizlet and memorize flashcards containing terms like The constant motion of the particles in a liquid causes the liquid to take the shape of its container., At room temperature ...

The molecules in a solid are closely packed together and contain the least amount of kinetic energy. A solid is characterized by structural rigidity and resistance to a force applied to ...

A gas takes the shape and volume of its container. ... The amount of outward force exerted on a given area by the gas particles. Solid. The state in which matter has a definite shape and ...

Liquids and gases take the shape of their containers since, they do not have definite shape and volume. Only solids have definite shape and volume. Suggest Corrections. 19. ... Q. ____ ...

In the solid phase the molecules are closely bound to one another by molecular forces. A solid holds its shape and the volume of a solid is fixed by the shape of the solid. In ...

Solid. In a solid the molecules are closely bound to one another by molecular forces. A solid holds its shape and the volume of a solid is fixed by the shape of the solid. ...

Solids have a definite shape and volume, meaning they do not take the shape or volume of their container. The particles in a solid are tightly packed and have strong ...

A solid is a state of matter that maintains its own shape instead of conforming to the shape of its container. If a piece of ice is placed in a cup, it does not flow downward and take on the shape of the cup, as liquid water would do.

Study with Quizlet and memorize flashcards containing terms like phases:, solid:, liquid: and more. ... Liquids have the ability to flow and take the shape of the container in which they are ...

Does a solid take the shape of its container? Solid matter is composed of tightly packed particles. A solid will retain its shape; the particles are not free to move around. It will take the shape of ...

Unlike a liquid, a solid object does not flow to take on the shape of its container, nor does it expand to fill the entire available volume like a gas. The atoms in a solid are bound to ...

Solids keep their shape. Liquids flow and take the shape of their container. They fill up a container from the bottom up to a certain level. They take up a fixed amount of space in ...

It takes both the shape and volume of the container. In the middle container, the substance is a liquid, which has spread to take the shape of its container but not the volume. In the right-hand container, the substance is a solid, which takes ...

because its shape is definite a solid may ----- of the container in which it is placed. ... this allows a liquid to flow and take the shape of its container although it may not completely fill the ...

It does not take the shape of its container and has an indefinite volume. ... It does not take the shape of its container and has a definite volume. Note: Iron hammer is a solid. It does not take the shape of its container; yes, it has a definite ...

(a) Solid O₂ has a fixed volume and shape, and the molecules are packed tightly together. (b) Liquid O₂

Solid take the shape of its container

conforms to the shape of its container but has a fixed volume; it contains relatively densely packed molecules.
(c) Gaseous O₂ fills ...

flow and take the shape of their container, because their particles can move around each other cannot be compressed, because their particles are close together and have no space to move into Gases:

This means that a liquid will take the shape of the bottom of its container. Like a solid, there is very little space between the particles in liquids, so they cannot usually be compressed close ...

Why does gas and liquid take the shape of its container and a solid doesn't? What To Do. Students represent the smallest particle (an atom or molecule depending on the ...

Slime doesn't keep its shape, so it's a liquid. What is different about a liquid and a solid? A solid keeps its shape while a liquid takes the shape of its container. Why isn't a dream ...

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